Step 1:

Draw a graph of a function with 2 or more relative or absolute maximum or minimums on the gold graph.

Put the graph in an envelope and pass to the person to your right.

Step 2:

Take out the gold graph and on the back side of the envelope write a verbal description of the graph that the third person will use to draw the graph.

Put the graph back in the envelope and hand the graph and envelope to the person on your right.

Step 3:

Take a coral blank graph and using only the description on the envelope draw the graph.

Put the coral graph in with the gold graph and pass to the right again.

Step 4:

Take the gold graph out and on the blank side of the envelope write the following information:

Domain: Range:

Absolute Maximum: Absolute Minimum:

Relative Maximum: Relative Minimum:

Increasing Intervals: Decreasing Intervals:

Hand the envelope with two graphs left twice.

Step 5:

Take a white graph and using the information from the domain/ range/ minimum/ maximum/ increasing and decreasing draw a graph.

Step 6:

Compare the gold/ coral/ and white graphs and discuss what was helpful information to have to recreate the graphs and each person write the description using only the information your group decides is necessary.